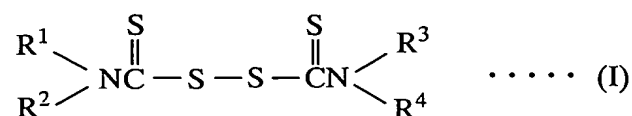
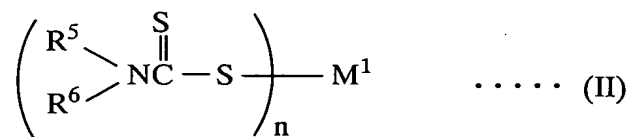


What is claimed is:

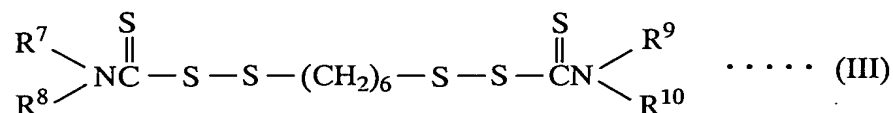
1. A rubber composition comprising (1) a rubber component including at least one of polybutadiene rubber and a styrene-butadiene copolymer rubber having a content of vinyl bond of not less than 30%, (2) at least one compound selected from a compound represented by the following formula (I), a compound represented by the following formula (II), a compound represented by the following formula (III) and a compound represented by the following formula (IV), and (3) an organic thiosulfate compound represented by the following formula (V):



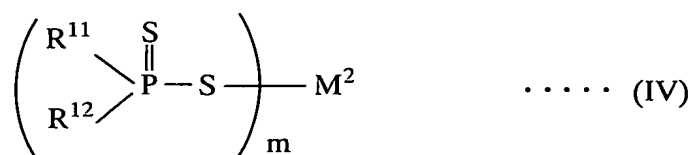
wherein  $\text{R}^1$ ,  $\text{R}^2$ ,  $\text{R}^3$  and  $\text{R}^4$  are independently a straight or branched alkyl group having a carbon number of 3-12 or an aralkyl group having a carbon number of 7-12;



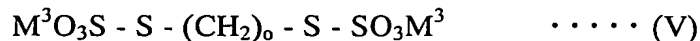
wherein  $\text{R}^5$  and  $\text{R}^6$  are independently a straight or branched alkyl group having a carbon number of 7-12 or an aralkyl group having a carbon number of 7-12, and  $\text{M}^1$  is a bivalent or polyvalent metal and  $n$  is a number equal to an atomic valence of  $\text{M}^1$ ;



wherein  $\text{R}^7$ ,  $\text{R}^8$ ,  $\text{R}^9$  and  $\text{R}^{10}$  are independently a straight or branched alkyl group having a carbon number of 3-12 or an aralkyl group having a carbon number of 7-12;



wherein  $R^{11}$  and  $R^{12}$  are independently a straight or branched alkyl group having a carbon number of 1-18 or a cycloalkyl group having a carbon number of 5-12, and  $M^2$  is zinc, copper or iron and  $m$  is a number equal to an atomic valence of  $M^2$ ;



wherein  $o$  is a number of 3-10 and  $M^3$  is one equivalent of lithium, potassium, sodium, magnesium, calcium, barium, zinc, nickel or cobalt, provided that the compound may contain crystal water.

2. A rubber composition according to claim 1, wherein  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  in the formula (I) are independently a straight or branched alkyl group having a carbon number of 8-12.

3. A rubber composition according to claim 2, wherein each of  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  is 2-ethylhexyl group.

4. A rubber composition according to claim 1, wherein  $R^{11}$  and  $R^{12}$  in the formula (IV) are independently a straight or branched alkyl group having a carbon number of 2-8.

5. A rubber composition according to claim 4, wherein each of  $R^{11}$  and  $R^{12}$  is isopropyl group or n-butyl group.

6. A rubber composition according to claim 1, wherein the styrene-butadiene copolymer rubber has a bound styrene content of 20-60 mass%.

7. A rubber composition according to claim 1, wherein a content of the styrene-butadiene copolymer rubber in the rubber component is 50-100 mass%.

8. A rubber composition according to claim 1, wherein the organic thiosulfate compound represented by the formula (V) is sodium 1,6-hexamethylene dithiosulfate dihydrate.

9. A rubber composition according to claim 1, wherein a total amount of the compound of the formula (I), the compound of the formula (II) and the compound of the formula (III) is 0.5-10 parts by mass based on 100 parts by mass of the rubber component.

10. A rubber composition according to claim 9, wherein an amount of the compound of the formula (I) is 0.5-10 parts by mass based on 100 parts by mass of the rubber component.

11. A rubber composition according to claim 1, wherein an amount of the

compound of the formula (IV) is 0.1-5 parts by mass based on 100 parts by mass of the rubber component.

12. A rubber composition according to claim 1, wherein an amount of the compound of the formula (V) is 1-10 parts by mass based on 100 parts by mass of the rubber component.

13. A pneumatic tire characterized by using a rubber composition as claimed in any one of claims 1 to 12 in a tread.